| | L Number | Hits | Search Text | DB | Time stamp |
|------------------|-------------|------|---|--|------------------|
| | 21 | 7 | multiplexer same "test input" same "normal input" | USPAT; US-PGPUB; EPO; JPO; DERWENT; | 2003/10/17 12:43 |
| | 22 | 236 | multiplexer same "test clock" same ("clock" or "normal clock") | IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; | 2003/10/17 12:38 |
| | 23 | 121 | multiplexer with "test input" with "input" | IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2003/10/17 12:44 |
| | 24 | 121 | multiplexer with "test input" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2003/10/17 12:44 |
| | 25 | 4 | (multiplexer with "test input") and (multiplexer with "test clock") | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2003/10/17 12:47 |
| | 26 | 9 | ((multiplexer or selecter or selector or selects or selected or selecting or switch or switches or switched or switching) with "test input") and (multiplexer with "test clock") | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2003/10/17 12:48 |
| | 27 | 37 | | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/10/17 13:07 |
| ುವ ಕಲವಿಸಿ ೧೯೯೮ರಲ | 28 | 37 | | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/10/17 13:01 |
| | 29 | 16 | <pre>(((multiplexer or selecter or selector or selects or selected or selecting or switch or switches or switched or switching) same "test input") same ((multiplexer or selecter or selector or selects or selected or selecting or switch or switches or switched or switching) same "test clock")) not (((multiplexer or selecter or selector or selects or selected or selecting or switch or switches or switched or switching) with "test input") and ((multiplexer or selecter or selector or selects or selected or selecting or switch or switches or switched or switch or switches or switched or switch or switches or switched or switching) with "test clock"))</pre> | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/10/17 13:01 |

| 30 | 26 | ((multiplexer or selecter or selector or | USPAT; | 2003/10/17 |
|------------------|------------|--|---------------------|--------------------------|
| | | selects or selected or selecting or | US-PGPUB; | 15:43 |
| | | switch or switches or switched or | EPO; JPO; | |
| | | switching) with "test input") and | DERWENT; | |
| | | ((multiplexer or selecter or selector or | IBM TDB | |
| | | selects or selected or selecting or | | |
| | | switch or switches or switched or | | |
| | | switching) with (tck or tclk)) | | |
| 31 | 83 | (("flip flop" or "flip flops" or | USPAT; | 2003/10/17 |
| " | | flip-flop or flip-flops or latch or | US-PGPUB; | 14:05 |
| | | latches) and "test mode").ti. | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM TDB | |
| 32 | 31 | (("flip flop" or "flip flops" or | USPAT; | 2003/10/17 |
| " | | flip-flop or flip-flops or latch or | US-PGPUB; | 14:46 |
| | | latches) same "test input" same "test | EPO; JPO; | |
| | | clock") | DERWENT; | |
| | | | IBM TDB | |
| 33 | 0 | 9103374.URPN. | USPAT | 2003/10/17 |
| | | | ** | 14:19 |
| 34 | 41 | "test mode" same ("delay test" or "delay | USPAT; | 2003/10/17 |
| " | | testing" or "delay tests") | US-PGPUB; | 14:20 |
| [| | | EPO; JPO; | |
| | | | DERWENT; | |
| 1 | | | IBM TDB | |
| 85 | 190 | (("flip flop" or "flip flops" or | USPĀT; | 2003/10/17 |
| | | flip-flop or flip-flops or latch or | US-PGPUB; | 15:00 |
| | | latches) same ("test input" or "test | EPO; JPO; | |
| | | data" or "test in" or tdata) same ("test | DERWENT; | |
| | | <pre>clock" or tck or tclk or "test clk"))</pre> | IBM TDB | |
| 86 | 264 | jtag with "test mode" | USPAT; | 2003/10/17 |
| | | | US-PGPUB; | 14:55 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| İ | | | IBM TDB | |
| 89 | 52 | "scan cell" with "test mode" | USPAT; | 2003/10/17 |
| | | | US-PGPUB; | 14:55 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM_TDB | |
| 90 | 69 | (("flip flop" or "flip flops" or | USPAT; | 2003/10/17 |
| | | flip-flop or flip-flops or latch or | US-PGPUB; | 15:11 |
| t instruction in | غامسه الما | latches) same ("scan input") same ("scan | EPO; JPO; | The second second second |
| | | clock")) | DERWENT; | |
| | | | IBM_TDB | 2000/10/15 |
| 91 | 200 | lssd.ti. | USPAT; | 2003/10/17 |
| | | | US-PGPUB; | 15:12 |
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| | | /m1.4.m.1 | IBM_TDB | 2003/10/17 |
| 92 | 23 | (multiplexer or selector or | USPAT; | 2003/10/17 |
| | | selects or selected or selecting or | US-PGPUB; | 15:47 |
| | | switch or switches or switched or | EPO; JPO; | |
| | | switching) with (pad near2 test) with | DERWENT; | |
| | 204 | normal | IBM_TDB | 2002/10/17 |
| 93 | 304 | (multiplexer or selector or selector or | USPAT; | 2003/10/17 |
| | | selects or selected or selecting or | US-PGPUB; | 15:46 |
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| | | switching) with (pad near2 test) | DERWENT; IBM TDB | |
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| 94 | 76 | (US-4881027-\$ or US-4746898-\$ or | USPAT; | 2003/10/17 |
|----|----|--|-----------|------------|
| 1 | | US-6417642-\$ or US-5774003-\$ or | US-PGPUB; | 15:52 |
| | | US-3786276-\$ or US-6622273-\$ or | JPO; | 1 |
| | | US-6616256-\$ or US-6437597-\$ or | DERWENT; | |
| | | US-5923676-\$ or US-5553276-\$ or | IBM TDB | |
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| | | US-6415402-\$ or US-6404663-\$ or | | |
| l | | US-6108793-\$ or US-6219813-\$ or | | |
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| | | US-5886901-\$ or US-5875114-\$ or | | |
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| 1 | | US-6272439-\$ or US-6065145-\$ or | | |
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| | | US-20020095646-\$ or | | |
| | | US-20030101397-\$).did. or (JP-61016615-\$ | | |
| | | or JP-05227138-\$ or JP-2001332099-\$ or | | |
| | | JP-11353873-\$).did. or (US-5220212-\$ or | | |
| | | JP-2001142736-\$ or JP-2001101900-\$ or | | |
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| 108 | 375 | 716/17.ccls. | USPAT; | 2003/10/17 |
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| | ł | | US-PGPUB; | 15:23 |
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| | 1 | | IBM_TDB | |
| - | 1677 | "test clock" | USPAT; | 2002/11/27 |
| | | | US-PGPUB; | 15:08 |
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Page 5

| - | 393 | "test clock" and (pad or pads) | USPAT; | 2002/11/27 |
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| | | | US-PGPUB; | 15:09 |
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| _ | 103 | "test clock" and (pad or pads) and | USPAT; | 2002/11/27 |
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| - | 13 | ("test mode" or "test-mode") same ("path | USPAT; | 2002/11/27 |
| 1 | | delay" or "path delays") | US-PGPUB; | 15:34 |
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| | İ | | DERWENT; | |
| 1 | . | | IBM_TDB | |
| - | 4 | ("functional test" or "functional tests") | USPAT; | 2002/11/27 |
| | | with ("macro cell" or "macro cells") | US-PGPUB; | 15:35 |
| | | | EPO; JPO; | |
| 1 | | | DERWENT; | |
| 1_ | 1240 | "macro cell" | IBM_TDB USPAT; | 2002/11/29 |
| - | 1240 | Macio Cell | US-PGPUB; | 06:33 |
| | 1 | | EPO; JPO; | 00.33 |
| | | | DERWENT; | |
| | | | IBM TDB | |
| - | 97 | "macro cell" and (input or inputs) and | USPAT; | 2002/11/29 |
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| t neg | F 10 100 | | DERWENT; | 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1 |
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| - | 62 | "macro cell" and (input or inputs) and | USPAT; | 2002/11/29 |
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| |] 31 | testers) | IBM_TDB | 2002/11/20 |
| - | 21 | ((test or tests or testing or tested or tester or testers) same "macro cell") and | USPAT; US-PGPUB; | 2002/11/29 06:39 |
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| | [20] | tester or testers).ti. and (input or | US-PGPUB; | 06:47 |
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| - | 200 | ("functional test" or "functional tests").ti. | USPAT; US-PGPUB; | 2002/11/29 06:56 |
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| | | | EPO; JPO; DERWENT; | |
| - | 15 | ("functional test" or "functional tests").ti. and delay | IBM_TDB USPAT; | 2002/11/29 06:56 |
| | | tests).tr. and deray | US-PGPUB; EPO; JPO; DERWENT; | 06:36 |
| _ | 1 | 2002-328400.NRAN. | IBM_TDB DERWENT | 2002/11/29 |
| _ | 2617 | 714/724.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT; | 2002/11/29 10:22 |
| - | 481 | 716/6.ccls. | DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; | 2002/11/29 10:53 |
| - | 3 | 716/6.ccls. and "test clock" | IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; | 2002/11/29 07:15 |
| _ | 15 | 5583787.URPN. | IBM_TDB USPAT | 2002/11/29 |
| _ | 8 | ("4063080" "4672307" "4763289" "5056094" "5206861" "5365528" "5383194" "5422891").PN. | USPAT | 07:14 2002/11/29 07:14 |
| _ | 56 | | USPAT; US-PGPUB; EPO; JPO; DERWENT; | 2002/11/29 07:16 |
| _ | 17 | (US-5923676-\$ or US-4924430-\$ or US-6437597-\$ or US-6404663-\$ or US-6415402-\$ or US-5181191-\$ or US-6219813-\$ or US-6108793-\$ or | IBM_TDB USPAT; US-PGPUB; JPO; DERWENT | 2002/11/29 07:22 |
| | , • | US-5381453-\$ or US-5583787-\$ or US-6434727-\$).did. or (US-20020010559-\$).did. or (JP-2001332099-\$).did. or (JP-2001142736-\$ or JP-2001101900-\$ or | | eric Liga de regres Laren Len |
| - | 7 | JP-03101245-\$ or JP-11251978-\$).did. 716/6.ccls. and "test mode" | USPAT; US-PGPUB; EPO; JPO; DERWENT; | 2002/11/29 07:23 |
| - | 125 | "path delay".ti. | IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; | 2002/11/29 07:32 |
| - | 299 | ("macro cell" or "macro cells").ti. | IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/11/29 07:33 |

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|---|--|--|---------------------|----------------------|
| - | 20 | (US-5923676-\$ or US-4924430-\$ or | USPAT; | 2002/11/29 07:35 |
| | | US-6437597-\$ or US-6404663-\$ or US-6415402-\$ or US-5181191-\$ or | US-PGPUB; JPO; | 07:35 |
| | | US-6219813-\$ or US-6108793-\$ or | DERWENT | |
| | | US-5381453-\$ or US-5583787-\$ or | DERWENT | |
| | | US-6434727-\$ or US-6188934-\$ or | | |
| 1 | | US-5983009-\$ or US-5696771-\$).did. or | | |
| | | (US-20020010559-\$).did. or | | |
| | | (JP-2001332099-\$).did. or | | |
| | | (JP-2001142736-\$ or JP-2001101900-\$ or | | |
| | | JP-03101245-\$ or JP-11251978-\$).did. | | |
| - | 1 | ((US-5923676-\$ or US-4924430-\$ or | USPAT; | 2002/11/29 |
| | | US-6437597-\$ or US-6404663-\$ or | US-PGPUB; | 07:35 |
| | | US-6415402-\$ or US-5181191-\$ or | EPO; JPO; | |
| | | US-6219813-\$ or US-6108793-\$ or | DERWENT; | |
| | | US-5381453-\$ or US-5583787-\$ or US-6434727-\$ or US-6188934-\$ or | IBM_TDB | |
| | 1 | US-5983009-\$ or US-5696771-\$).did. or | | |
| | | (US-20020010559-\$).did. or | | |
| | | (JP-2001332099-\$).did. or | | |
| | | (JP-2001142736-\$ or JP-2001101900-\$ or | | |
| | | JP-03101245-\$ or JP-11251978-\$).did.) and | | |
| | | "dummy latch" | | |
| - | 13 | ((US-5923676-\$ or US-4924430-\$ or | USPAT; | 2002/11/29 |
| | | US-6437597-\$ or US-6404663-\$ or | US-PGPUB; | 07:36 |
| | | US-6415402-\$ or US-5181191-\$ or | EPO; JPO; | |
| | | US-6219813-\$ or US-6108793-\$ or | DERWENT; | |
| | | US-5381453-\$ or US-5583787-\$ or US-6434727-\$ or US-6188934-\$ or | IBM_TDB | |
| | | US-5983009-\$ or US-5696771-\$).did. or | | |
| | | (US-20020010559-\$).did. or | | |
| | | (JP-2001332099-\$).did. or | | |
| | | (JP-2001142736-\$ or JP-2001101900-\$ or | | |
| | | JP-03101245-\$ or JP-11251978-\$).did.) and | | |
| | | "latch" | | |
| _ | 3 | , , , , , , , , , , , , , , , , , , , | USPAT; | 2002/11/29 |
| | | US-6437597-\$ or US-6404663-\$ or | US-PGPUB; | 07:38 |
| | | US-6415402-\$ or US-5181191-\$ or | EPO; JPO; | |
| | | US-6219813-\$ or US-6108793-\$ or US-5381453-\$ or US-5583787-\$ or | DERWENT; IBM TDB | |
| | | US-6434727-\$ or US-6188934-\$ or | 104_100 | |
| | | US-5983009-\$ or US-5696771-\$).did. or | | |
| | | (US-20020010559-\$).did. or | | Harts William St. To |
| | 1 | (JP-2001332099-\$).did. or | | |
| | 1 | (JP-2001142736-\$ or JP-2001101900-\$ or | | |
| | | JP-03101245-\$ or JP-11251978-\$).did.) and | | |
| | | "latch" and macro | | |
| - | 30398 | macro | USPAT; | 2002/11/29 |
| | 1 | | US-PGPUB; | 07:38 |
| | 1 | | EPO; JPO; | |
| | | | DERWENT; | |
| _ | 3397 | macro ti | IBM_TDB USPAT; | 2002/11/29 |
| _ | 339/ | macro.ti. | US-PGPUB; | 07:38 |
| | | | EPO; JPO; | "." |
| | 1 | | DERWENT; | |
| | | | IBM TDB | |
| _ | 16 | (macro and dram).ti. | USPAT; | 2002/11/29 |
| | | · | US-PGPUB; | 07:38 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM_TDB | |
| _ | 23 | (macro and delay).ti. | USPAT; | 2002/11/29 |
| | | | US-PGPUB; | 07:39 |
| | | | EPO; JPO; DERWENT; | |
| | | | IBM TDB | |
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| 368 | | | |
|--------|---|---|---------------------|
| 300 | ((ram or rom or dram or drom or macro) and delay).ti. | USPAT; US-PGPUB; EPO; JPO; | 2002/11/29 07:40 |
| | | DERWENT; IBM_TDB | |
| 596 | <pre>((test or tests or testing or tested or tester or testers) and ("memory cell" or "memory cells")).ti.</pre> | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/11/29 |
| 3 | ((test or tests or testing or tested or tester or testers) and ("memory cell" or "memory cells") and delay).ti. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/11/29 08:02 |
| - 15 | <pre>((test or tests or testing or tested or tester or testers) and ("memory cell" or "memory cells")).ti. and (delay.ab.)</pre> | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/11/29 08:05 |
| _ 2 | ("6232845").PN. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/11/29 08:06 |
| _ 2 | ("5696771").PN. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/11/29 08:09 |
| _ 217 | "wiring delay time" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/29 08:17 |
| 712 | measures or measuring or measured or measurement or measurements or determine or determined or determines or determining or determination or determinations or calculate or calculates or calculating or calculated or | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/29 08:18 |
| | calculations or calculation) with (wiring or wirings)) | • | |
| - 182 | (("wiring delay") with (measure or measures or measuring or measured or measurement or measurements or determine or determined or determines or determining or determination or determinations or calculate or calculates or calculating or calculated or calculations or calculation)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/29 08:31 |
| - 19 | 5696771.URPN. | USPAT | 2002/11/29 08:21 |
| _ 2 | ("5696771").PN. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/11/29 08:40 |
| - 1677 | "test clock" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/11/29 08:40 |
| - 466 | 702/117.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/29 08:48 |

| - | 87 | ("wiring delay").ti. | USPAT; | 2002/11/29 |
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| | | | US-PGPUB; | 08:48 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| i | | | IBM_TDB | |
| - | 6 | ("5367469" "5461576" "5553001" | USPAT | 2002/11/29 |
| į į | | "5553008" "5619418" "5633807").PN. | | 09:07 |
| - | 12 | 5845233.URPN. | USPAT | 2002/11/29 |
| l | | | | 09:07 |
| l _ | 29 | 4878209.URPN. | USPAT | 2002/11/29 |
| | | | | 09:38 |
| _ | 13 | ("3961251" "3961252" "3961254" | USPAT | 2002/11/29 |
| | 13 | "4058767" "4225957" "4332028" | | 09:39 |
| | | "4461000" "4481627" "4482953" | | |
| | | "4503387" "4510603" "4513418" | | |
| ļ | | "4608669").PN. | | |
| <u> </u> | 111 | 702/118.ccls. | USPAT; | 2002/11/29 |
| - | 111 | 702/110.CC15. | US-PGPUB; | 09:46 |
| | | | EPO; JPO; | 05.40 |
| | | | DERWENT; | |
| | | | IBM TDB | |
| | 2 | (delay and macrocell).ti. | USPAT; | 2002/11/29 |
| - | | (deray and macrocerr).tr. | USPAT; US-PGPUB; | 09:46 |
| | | | | 09.90 |
| | | , | EPO; JPO; | |
| | | | DERWENT; | |
| | 32656 | -1 | IBM_TDB | 2002/11/20 |
| - | 73909 | oki.asn. | USPAT; | 2002/11/29 09:51 |
| | | | US-PGPUB; | 09:21 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM_TDB | 0000 (11 (00 |
| - | 20 | oki.asn. and (macrocell or macro-cell or | USPAT; | 2002/11/29 |
| | | "macro cell") | US-PGPUB; | 09:52 |
| | | | EPO; JPO; | |
| | | | DERWENT; | j l |
| | | | IBM_TDB | |
| - | 105 | 702/119.ccls. | USPAT; | 2002/11/29 |
| 1 | | | US-PGPUB; | 09:56 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM_TDB | |
| - | 89 | 702/120.ccls. | USPAT; | 2002/11/29 |
| Section 71. Fr Hills | | and the second of the second o | US-PGPUB; | 09:58 |
| | | · · | EPO; JPO; | i |
| | | | DERWENT; | |
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| _ | 174 | 702/79.ccls. | USPAT; | 2002/11/29 |
| | | | US-PGPUB; | 10:02 |
| | l | | EPO; JPO; | 1 |
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| - | 53 | 702/89.ccls. | USPAT; | 2002/11/29 |
| | | | US-PGPUB; | 10:02 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM_TDB | |
| - | 88 | 324/532.ccls. | USPAT; | 2002/11/29 |
| | | | US-PGPUB; | 10:18 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
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| - | 140 | 324/534.ccls. | USPAT; | 2002/11/29 |
| | | | US-PGPUB; | 10:20 |
| | | | EPO; JPO; | |
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| | | | IBM TDB | |
| _ | 41 | 714/724.ccls. and (delay).ti. | USPAT; | 2003/10/17 |
| | 1 | | US-PGPUB; | 16:28 |
| | | | EPO; JPO; | |
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10/17/03 5:40:32 PM

Page 10

| - | 289 | 716/17.ccls. | USPAT; | 2002/11/29 |
|---------------------|---|--|------------|----------------|
| | 1 | | US-PGPUB; | 10:27 |
| | } | | EPO; JPO; | |
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| | 11 | //"6247057"\ om /"5600216"\ om | USPAT; | 2002/11/29 |
| - | 11 | | , | , , , |
| | | ("5297105") or ("5452260") or ("5768210") | US-PGPUB; | 10:54 |
| | | or ("6320799")).PN. | EPO; JPO; | |
| | | | DERWENT; | 1 |
| | | | IBM TDB | |
| _ | 10 | "functional test circuit" | DERWENT | 2002/11/29 |
| | | | | 12:49 |
| | 536 | macrocell or "macro cell" or macro-cell | DERWENT | 2002/11/29 |
| - | 336 | Macrocerr or Macro cerr or Macro-cerr | DEKWENT | 11:52 |
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| - | 33 | | DERWENT | 2002/11/29 |
| | | and (multiplexer or multiplexor or | | 12:43 |
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| | | muxes or muxs) | | |
| 1_ | 1 | 1995-074723.NRAN. | DERWENT | 2002/11/29 |
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| - | 2 | ("5384500").PN. | USPAT; | 2002/11/29 |
| | | | US-PGPUB; | 12:43 |
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| | ļ | multiplexors or multiplexers or mux or | | 12:46 |
| | | muxes or muxs) with "test clock" | l | |
| - | 1902 | (multiplexer or multiplexor or | DERWENT | 2002/11/29 |
| 1 | | multiplexors or multiplexers or mux or | | 12:47 |
| 1 | | muxes or muxs) with "clock" | • | |
| l _ | 294 | (equal or "same") with (delay or delays) | DERWENT | 2002/11/29 |
| | 251 | with (path or paths or wiring or wirings) | DERWIENT | 12:48 |
| | | "functional test circuit" | TICDAM. | 2002/11/29 |
| _ | 50 | "Tunctional test circuit" | USPAT; | |
| | | | US-PGPUB; | 12:49 |
| | | | EPO; JPO; | |
| | | | DERWENT | |
| - | 51 | "functional test circuit" | USPAT; | 2002/11/29 |
| | | | US-PGPUB; | 12:49 |
| | | | EPO; JPO; | |
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| u i. ≛. idenii iene | * **· · · · · · · · · · · · · · · · · · | "functional test circuit" | USPAT; | I |
| | [| | US-PGPUB; | 13:55 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
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| 1_ | 11 | (("6301547") or ("4864512") or | USPAT; | 2002/11/29 |
| | "" | ("5532944") or ("5239378") or ("4860009") | 1 | |
| | | 1 , , , , , , , , , , , , , , , , , , , | US-PGPUB; | 13:56 |
| | | or ("5854996") or ("5150313")).PN. | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM_TDB | |
| - | 1008 | "wiring delay" | USPAT; | 2002/12/01 |
| | | | US-PGPUB; | 15:10 |
| | | | EPO; JPO; | |
| | } | | | |
| | | | DERWENT; | |
| | | | IBM_TDB | |
| I - | 4 | "wiring delay" and "test clock" | USPAT; | 2002/12/01 |
| | | | US-PGPUB; | 15:11 |
| | | | EPO; JPO; | |
| | | | DERWENT; | 1 |
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| | _ | Hand and an an Anna and a series of the seri | IBM_TDB | 1 2002 (12 (22 |
| - | 0 | "wiring time delay" and "test clock" | USPAT; | 2002/12/01 |
| | | | US-PGPUB; | 15:12 |
| | | | EPO; JPO; | |
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| - | 35 | (delay near4 (wiring or wire or wires or wired)) and "test clock" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/12/01 15:15 |
|---|-----|--|---|---------------------|
| _ | 375 | (delay near4 (wiring or wire or wires or wired)) near3 (measure or measures or measuring or measured or measurement or measurements or determine or determined or determines or determining or determination or determinations or calculate or calculates or calculating or calculated or calculations or calculation) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/01 15:24 |
| | 4 | ((delay near4 (wiring or wire or wires or wired)) near3 (measure or measures or measuring or measured or measurement or measurements or determine or determined or determines or determining or determination or determinations or calculate or calculates or calculating or calculated or calculations or calculation)) and "test clock" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/01 15:17 |
| _ | 0 | | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/12/01 15:33 |
| - | 12 | ((delay near4 (wiring or wire or wires or wired)) near3 (measure or measures or measuring or measured or measurement or measurements or determine or determined or determines or determining or determination or determinations or calculate or calculates or calculating or calculated or calculations or calculation)) and (macrocell or "macrocell" or macro-cell) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/01 15:33 |
| - | 40 | US-5983009-\$ or US-5886901-\$ or US-5696771-\$ or US-5583787-\$ or US-5355321-\$ or US-4924430-\$ or | USPAT; US-PGPUB; JPO; DERWENT | 2002/12/01 15:49 |
| | | US-5173864-\$ or US-5381453-\$ or US-6437597-\$ or US-6108793-\$ or US-6404663-\$ or US-5923676-\$ or US-6415402-\$ or US-6219813-\$ or US-5181191-\$ or US-6232845-\$ or US-6401233-\$ or US-6401233-\$ or US-6233205-\$ or US-6144262-\$ or US-6233205-\$ or US-5768130-\$ or US-5384500-\$).did. or (US-6456737-\$ or US-5384500-\$).did. or (US-6456737-\$ or US-5821786-\$ or US-5553276-\$ or US-5452239-\$ or US-6099578-\$ or US-5875114-\$).did. or (US-20020010559-\$ or US-20020095646-\$).did. or (JP-03101245-\$ or JP-2001132099-\$).did. or (JP-03101245-\$ or JP-2001101900-\$ or JP-11251978-\$ or JP-2001101900-\$ or JP-10050847-\$).did. | | |

| - | 22 | ((US-6434727-\$ or US-6188934-\$ or | USPAT; | 2002/12/01 |
|---------------------|------|--|------------|----------------------------------|
| | | US-5983009-\$ or US-5886901-\$ or | US-PGPUB; | 16:04 |
| | | US-5696771-\$ or US-5583787-\$ or | EPO; JPO; | |
| | | US-5355321-\$ or US-4924430-\$ or | DERWENT; | |
| | | US-5173864-\$ or US-5381453-\$ or | IBM TDB | |
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| | | US-6404663-\$ or US-5923676-\$ or | | |
| | | US-6415402-\$ or US-6219813-\$ or | | |
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| | | US-6065145-\$ or US-5384500-\$).did. or | | |
| | 1 | (US-6456737-\$ or US-5821786-\$ or | | |
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| - | | US-6099578-\$ or US-5875114-\$).did. or | | |
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| | | US-20020095646-\$).did. or | | |
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| | | JP-2001101900-\$ or JP-10050847-\$).did.) | | |
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| | | and mode | | |
| - | 6 | ((US-6434727-\$ or US-6188934-\$ or | USPAT; | 2002/12/01 |
| | | US-5983009-\$ or US-5886901-\$ or | US-PGPUB; | 16:04 |
| | | US-5696771-\$ or US-5583787-\$ or | EPO; JPO; | |
| | | US-5355321-\$ or US-4924430-\$ or | DERWENT; | |
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| | | US-6099578-\$ or US-5875114-\$).did. or | | |
| | | (US-20020010559-\$ or | | |
| | | US-20020095646-\$).did. or | | |
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| e learn die gebeurg | | JP-2001101900-\$ or JP-10050847-\$).did.) | | agramma araman a gagan araman ar |
| | | and "mode signal" | | |
| | 1010 | | YYO D D TO | 2002/12/12 |
| - | 1012 | "wiring delay" | USPAT; | 2002/12/12 |
| | | | US-PGPUB; | 13:43 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM_TDB | |
| - | 342 | "wiring delay" and cell | USPAT; | 2002/12/12 |
| 1 | | | US-PGPUB; | 13:44 |
| 1 | 1 | | EPO; JPO; | , , |
| 1 | | | DERWENT; | |
| | 1 | | IBM TDB | |
| 1_ | 132 | "wiring delay" same cell | USPAT; | 2002/12/12 |
| - | 132 | willing delay same cell | | I |
| | | | US-PGPUB; | 13:44 |
| ĺ | | | EPO; JPO; | 1 |
| 1 | | | DERWENT; | |
| | | | IBM_TDB | |
| - | 1 | 1994-228487.NRAN. | DERWENT | 2002/12/12 |
| | | | 1 | 15:42 |
| - | 2866 | "test clock" or tck or tclk | USPAT; | 2002/12/13 |
| | | | US-PGPUB; | 13:08 |
| 1 | | | EPO; JPO; | = |
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| - | 4 | | USPAT; | 2002/12/13 |
| | | "wiring delay" | US-PGPUB; | 13:09 |
| | | | EPO; JPO; |] |
| | | | DERWENT; |] |
| 1 | 1 | | IBM TDB | ļ |
| | | | | |

| - | 512 | ("test clock" or tck or tclk) same delay | USPAT; | 2002/12/13 |
|-----------------------|----------|--|------------------------|--------------|
| | | | US-PGPUB; | 13:55 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | 200 | (8) 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 | IBM_TDB | 2002 (12 (12 |
| _ | 200 | ("test clock") same delay | USPAT; | 2002/12/13 |
| | | | US-PGPUB; EPO; JPO; | 13:33 |
| | | | DERWENT; | |
| | | | IBM TDB | |
| _ | 29 | ("test clock") same delay with (equal or | USPAT; | 2002/12/13 |
| | | equals or "same") | US-PGPUB; | 13:47 |
| | | , 0144411 | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM_TDB | |
| - | 42 | "dummy latch" | USPAT; | 2002/12/13 |
| | | | US-PGPUB; | 16:05 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | 2 | (NE 270 042N) DV | IBM_TDB | 2002/12/12 |
| _ | 2 | ("5,278,842").PN. | USPAT; US-PGPUB; | 2002/12/13 |
| | | | EPO; JPO; | 16.03 |
| | | | DERWENT; | |
| | | | IBM TDB | |
| _ | 842 | 714/726.ccls. | USPĀT; | 2002/12/13 |
| | | 1 2 3 7 1 2 3 2 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 | US-PGPUB; | 16:36 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM_TDB | |
| - | 191 | 714/731.ccls. | USPAT; | 2002/12/13 |
| | | | US-PGPUB; | 16:37 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | 511 | 714/733.ccls. | IBM_TDB USPAT; | 2002/12/13 |
| - | 311 | 7147753.0015. | US-PGPUB; | 16:37 |
| | | | EPO; JPO; | 10.37 |
| | | | DERWENT; | |
| | | | IBM TDB | |
| - | 295 | 714/734.ccls. | USPAT; | 2002/12/13 |
| | | | US-PGPUB; | 16:38 |
| and the second second | 1.5.9 | and the contract of the contra | EPO; JPO; | 1 265 |
| | | | DERWENT; | |
| | 26 | 714/7261 / / | IBM_TDB | 2002/10/17 |
| - | 26 | 714/726.ccls. and ((wire or wiring or wires or wired) with (delays or delay)) | USPAT; US-PGPUB; | 2003/10/17 |
| | | wires of wired) with (delays of delay)) | EPO; JPO; | 10.27 |
| | | | DERWENT; | |
| | | | IBM TDB | |
| _ | 7 | 714/733.ccls. and ((wire or wiring or | USPAT; | 2002/12/13 |
| | | wires or wired) with (delays or delay)) | US-PGPUB; | 16:37 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | _ | 714/721 | IBM_TDB | 2000/12/22 |
| - | 7 | · , · · · - · - · · · · · · · · | USPAT; | 2002/12/13 |
| | | wires or wired) with (delays or delay)) | US-PGPUB; | 16:37 |
| | | | EPO; JPO; DERWENT; | |
| | | | IBM TDB | |
| - | 7 | 714/733.ccls. and ((wire or wiring or | USPAT; | 2002/12/13 |
| | ' | wires or wired) with (delays or delay)) | US-PGPUB; | 16:37 |
| | | (| EPO; JPO; | |
| | | · · | DERWENT; | |
| | | | IBM_TDB | |
| - | 8 | 714/734.ccls. and ((wire or wiring or | USPAT; | 2002/12/13 |
| | | wires or wired) with (delays or delay)) | US-PGPUB; | 16:38 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | L | | IBM_TDB | |

| _ | 8 | (("5696771") or ("6144262") or ("5875114") or ("6233205")).PN. | USPAT; US-PGPUB; EPO; JPO; DERWENT; | 2002/12/16 06:19 |
|-------------------------|------|---|---|-----------------------|
| - | 54 | US-6188934-\$ or US-5983009-\$ or | IBM_TDB USPAT; US-PGPUB; | 2003/10/03 11:09 |
| | | US-5886901-\$ or US-5875114-\$ or US-5638294-\$ or US-5696771-\$ or US-5583787-\$ or US-5355321-\$ or US-5173864-\$ or US-6099578-\$ or US-5768130-\$ or US-6065145-\$ or US-5452239-\$ or US-6401233-\$ or US-6232845-\$ or US-6401233-\$ or US-6943489-\$ or US-6452459-\$ or US-6233205-\$ or US-6452459-\$ or US-6437597-\$ or US-6144262-\$ or US-553276-\$ or US-4924430-\$ or US-5181191-\$ or US-6415402-\$ or | JPO; DERWENT | |
| | | US-6404663-\$ or US-6219813-\$ or US-6108793-\$ or US-6272439-\$ or US-6456737-\$ or US-5821786-\$ or US-5671233-\$ or US-6335889-\$ or US-5787310-\$ or US-5198999-\$ or US-6489819-\$ or US-5663991-\$ or US-6189121-\$).did. or (US-20020095646-\$ or US-20020011865-\$ or US-20020010559-\$).did. or (JP-2001332099-\$ or JP-11353873-\$).did. or (JP-11251978-\$ or JP-03101245-\$ or JP-06163691-\$ or JP-2001142736-\$ or JP-2001101900-\$ or JP-10050847-\$).did. | | |
| _ | 5347 | | USPAT; US-PGPUB; JPO; DERWENT | 2003/10/03 11:10 |
| - | 944 | (delay or delays) with between with (data) with (output or outputs) with clock | USPAT; US-PGPUB; JPO; DERWENT | 2003/10/03 11:10 |
| sa ann sa an aighr agus | 391 | (delay or delays) with between with "("data output" or "data out" or Q) with clock | USPAT; US-PGPUB; JPO; DERWENT | 2003/10/03 [11:15] |
| - | 99 | ((delay or delays) with between with ("data output" or "data out" or Q) with clock) same ("flip flop" or flip-flop) | USPAT; US-PGPUB; JPO; DERWENT | 2003/10/10 16:26 |
| - | 0 | "no q to clock delay" | USPAT; US-PGPUB; JPO; DERWENT | 2003/10/03 11:30 |
| _ | 0 | "no clock to delay" | USPAT; US-PGPUB; JPO; DERWENT | 2003/10/03 11:30 |
| _ | 0 | "no clock to q delay" | USPAT; US-PGPUB; JPO; | 2003/10/03 11:30 |
| _ | 0 | "no clock-q delay" | DERWENT USPAT; US-PGPUB; JPO; | 2003/10/03 11:30 |
| - | 0 | "no q-clock delay" | DERWENT USPAT; US-PGPUB; JPO; DERWENT | 2003/10/03 11:30 |

| _ | 0 | "delay between clock and Q" | USPAT; US-PGPUB; | 2003/10/03 11:30 |
|----------------------------|----------|---|--|--|
| _ | 0 | "q to clock delay" | JPO; DERWENT USPAT; US-PGPUB; | 2003/10/03 |
| _ | 0 | "clock to delay" | JPO; DERWENT USPAT; US-PGPUB; | 2003/10/03 11:30 |
| - | 0 | "clock to q delay" | JPO; DERWENT USPAT; US-PGPUB; JPO; | 2003/10/03 |
| - | 0 | "clock-q delay" | DERWENT USPAT; US-PGPUB; JPO; | 2003/10/03 11:30 |
| _ | 0 | "q-clock delay" | DERWENT USPAT; US-PGPUB; JPO; | 2003/10/03 11:32 |
| - | 18 | (("6320799") or ("6347057") or ("5768210") or ("5699316") or ("5625315") or ("5502415") or ("5452260") or ("5297105") or ("5363331") or | DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT; | 2003/10/03 11:33 |
| _ | 960 | ("4950031")).PN. ("flip flop" or flip-flop) same (("same" or indentical or equal) near2 (delay or delays)) | IBM_TDB USPAT; US-PGPUB; JPO; DERWENT | 2003/10/03 12:35 |
| - | 1689 | ("flip flop" or flip-flop or latch or latches) same (("same" or indentical or equal) near2 (delay or delays)) | USPAT; US-PGPUB; JPO; DERWENT | 2003/10/03 12:35 |
| - | 31 | ("flip flop" or flip-flop or latch or latches) same (("same" or indentical or equal) near2 (delay or delays)) with | USPAT; US-PGPUB; JPO; | 2003/10/03 12:36 |
| _ . //#3 #7 (2) () . W | 31 .0 | (clock) with (q or "data out") ("flip flop" or flip-flop or latch or latches) same (("same" or indentical or equal) near2 (delay or delays)) with | DERWENT USPAT; US-PGPUB; JPO; | 2003/10/10 17:38 *** ******************************** |
| _ | 137 | (clock) with (q or "data out" or dq) ((time) with between with ("data output" or "data out" or Q) with clock) same ("flip flop" or flip-flop) | DERWENT USPAT; US-PGPUB; JPO; | 2003/10/10 16:31 |
| _ | 6 | (delay or time or timing) adj (between or from) adj (clock or clk or ck or tck or tclk) adj (q or output) | DERWENT USPAT; US-PGPUB; JPO; | 2003/10/10 16:34 |
| _ | 20 | (delay or time or timing) adj (between or from) adj (clock or clk or ck or tck or tclk) adj2 (q or output) | DERWENT USPAT; US-PGPUB; JPO; | 2003/10/10 17:11 |
| - | 2 | ("20020010559").PN. | DERWENT USPAT; US-PGPUB; EPO; JPO; | 2003/10/10 17:13 |
| _ | 146 | (MATSUI and KATSUAKI).in. | DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; | 2003/10/10 17:38 |
| _ | 41 | ("flip flop" or flip-flop or latch or latches) same (multiplexer or multiplexers) same "test input" | IBM_TDB USPAT; US-PGPUB; JPO; DERWENT | 2003/10/10 18:02 |

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